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Dated: July 6, 2009  
Electronic Signature for Kevin J. Canning: /Kevin J. Canning/

Docket No.: MWS-111RCE2  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Joseph F. Hicklin *et al.*

Application No.: 10/783,552

Confirmation No.: 7454

Filed: February 20, 2004

Art Unit: 1631

For: METHOD AND APPARATUS FOR  
IMPROVED MODELING OF CHEMICAL  
AND BIOCHEMICAL REACTIONS

Examiner: K. R. Skowronek

**AMENDMENT IN RESPONSE TO FINAL OFFICE ACTION**

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INTRODUCTORY COMMENTS**

In response to the Office Action dated March 4, 2009 (Paper No. 20090212), and further in response to the Advisory Action dated May 20, 2009 (Paper No. 20090511), please reconsider the above-identified U.S. patent application in light of the following.

**Amendments to the Claims** are reflected in the claim listing beginning on page 2 of this paper.

**Remarks/Arguments** begin on page 10 of this paper.